



IRAN ZOB



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➤ Various kinds of grinding balls, Cylpebses and Bulpebses:

* Balls dimensions:


IZ320Cr11	15-17.5-20-25 (mm)	(60 - 66 HRC)
IZ280Cr14	30-35-40-50 (mm)	(60 - 64 HRC)
IZ220Cr17	60-70-80-90-100-125 (mm)	(58 - 62 HRC)
IZ340Cr30	30-40-50 (mm)	(58 - 62 HRC)
IZ370Cr	25-30-35-40-50-60-80-100 (mm)	(Min.48 HRC)

* Cylpebses and Bulpebses dimensions:

10 x 10 , 12 x 12 , 14 x 14 , 16 x 16 , 19 x 19 , 22 x 22 , 25 x 25 , 30 x 30 , 32 x 32
25 x 45 mm (60 - 64 HRC)

	Grade	Standard	%C	%Si	%Mn	%Cr	%Ni	MAX %P	MAX %S	Hardness (RC)
Balls	IZ320Cr11	—	2.9-3.5	0.3-1	0.3-0.7	10-12	< 0.5	0.05	0.08	60-66
	IZ280Cr14	—	2.5-3.3	0.5-1	0.3-0.7	12-14	< 0.5	0.05	0.08	60-64
	IZ220Cr17	—	1.8-2.6	0.5-1.1	0.3-0.7	15-17	< 0.5	0.05	0.08	58-62
	IZ340Cr30	—	2-2.8	0.5-1	0.3-0.7	29-31	< 0.5	0.05	0.08	58-62
	IZ370Cr	—	3.3-3.9	0.5-1	0.3-1	1-2.5	—	—	0.08	Min.48


➤ Various kinds of wear-resistant high chromium cast iron and steel castings, including: liner and diaphragm, wear-resistant pump impeller and casing...

	Grade	Standard	%C	%Si	%Mn	%Cr	%Ni	MAX %P	MAX %S	Hardness (RC)
Liner and diaphragm	IZ40Cr14	1.2083	0.3-0.5	<1	<1	12.5-13.5	—	0.03	0.03	45-50
	IZ140Cr12	1.2379	1.1-1.5	0.3-0.5	0.2-0.5	11-12	—	0.03	0.03	50-55
	42CrMo4	1.7225	0.38-0.45	<0.6	0.6-0.9	0.9-1.2	—	0.03	0.03	30-35
	25CrNiMo4	1.6515	0.22-0.29	<0.6	0.6-1	0.8-1.2	0.8-1.2	0.03	0.03	30-35

➤ Various kinds of heat resistant steel castings including: grate bar, grate cooler, shims, lifters, and segments with different analysis

	Grade	Standard	%C	%Si	%Mn	%Cr	%Ni	MAX %P	MAX %S
heat resistant steels	IZ40CrNi2520	1.4848	0.3-0.5	1-2.5	<1.5	24-26	19-21	0.035	0.05
	IZ40CrNi2512	1.4837	0.3-0.5	1-2.5	<1.5	24-26	11-14	0.035	0.03
	IZ40CrNi229	1.4826	0.3-0.5	1-2.5	<1.5	21-23	9-11	0.035	0.03
	IZ40Cr13	1.4729	0.3-0.5	1-2.5	0.5-1	12-14	—	0.035	0.03
	IZ40CrNi264	1.4823	0.3-0.5	1-2.5	<1.5	25-28	3.5-5.5	0.035	0.03

➤ Various kinds of aluminum balls and semi-balls for deoxygenating of molten steel

	Grade	Standard	%Al	%Si	%Mn	%Cu	%Fe
balls & semi-balls	IZAL98	1000	97.8 - 98	≤ 1	≤ 0.3	≤ 0.3	0.1-0.6

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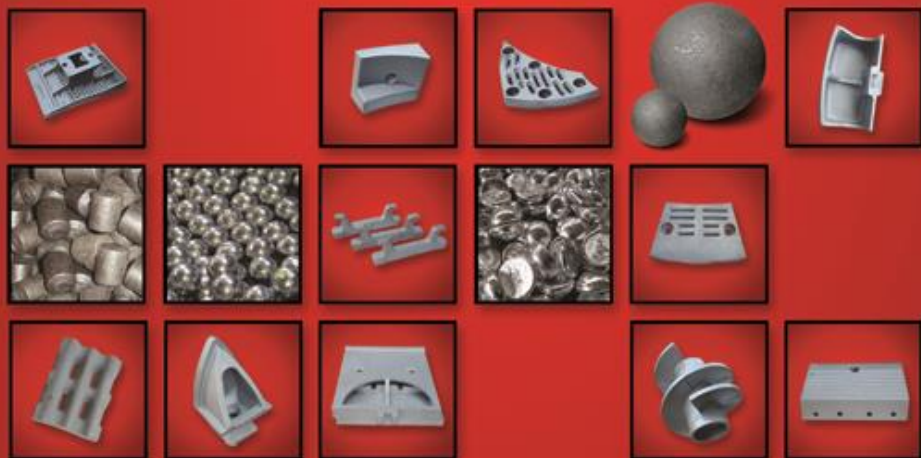


Iran Zob Co. has adopted a customer-oriented approach as its axial strategy. For the realization of this approach, it will use all the tools and possibilities available. Targeted marketing based on appropriate customer interaction, creativity and innovation are the most important work plans of the company. Iran Zob Co. has established close relationships with its customers and is constantly trying to take orders, identifying new domestic and foreign markets and rendering after-sales services to its customers. The company sells its products to all domestic cement plants especially the most important industrial sites, such as Esfahan's Mobarakeh Steel Company, Esfahan Steel Company (Zob Ahan-e Esfahan), Khuzestan Steel Company, Sarcheshmeh Copper Mines Company, Chadormalu Mining & Industrial Co. etc. It has also exported its products to countries such as Italy, Azerbaijan, Emirates, Iraq, Syria, Turkmenistan, Turkey, and Qatar... etc.

Thanks to expert workforces and also software for the simulation of casting process and solidification three-dimensional design, and up-to-date drawing, the company designs components with the highest quality of casting and no apparent and internal default.

The large number of cement plants in the country certifies that fact with low wear rates of balls produced by Iran Zob with a record of 6.3 g/ton.

The company is also able to design and manufacture liner components and diaphragms for the body of cement mills and mines in various dimensions.





Iran Zob Co. is specialized in casting different types of balls for cement and mining grinding . It produces cast iron and steel wear-resistant parts, and aluminum balls and semi-balls used in the steel industry by employing engaged and experienced workforces with advanced equipment and machinery. Iran zob co. is one of the best known companies in the field of casting and a pioneer in this industry.

The company began operations after obtaining its license in 1983. In 1991, given the urgent need of the country's cement industries to components such as ball, diaphragm, liner, grate cooler, segment, grate bar and other heat and wear-resistant steel components. Iran Zob Co. started its cooperation with cement and steel companies of the country. Since the ban on the release of the currency abroad, Iran Zob Co. has been welcome by these companies. This allowed the local production of these components and the country is now self-sufficient in the production of balls and parts of cement mill, having put the country on the path of economic growth and development.

Iran Zob Co. is in Esfahan, the birthplace of casting industry in Iran. Its factory is located at 20th Km. of Southwest Esfahan, Oshtorjan Industrial Estate and its head office is in the center of Esfahan city.

Shares of the company were bought entirely by Tuka Foolad Investment Co. in 2012.

Iran Zob Co. is now one of the most notable companies under the supervision of Tuka Foolad Holding Company.

In order to improve the functioning of its operating systems, Iran Zob Co. managed to install management systems, organizational excellence models, and green management systems and so on. Here are some examples:

1. Integrated Management System (ISO 9001:2008, ISO 14001 :2004, OHSAS 18001 :2007).
2. Organizational Excellence Model based on the EFQM European model.
3. Laboratory quality management system certification approved by the General Office of Standard, and Esfahan Industrial Researches as associate laboratory.
4. Brand value system based on ISO 10668:2010 standards.
5. Achieving Iran Green Management Award (Grade III Award).
6. Achieving the title of "Green Industry Unit" from Iranian Environmental Protection Organization.
7. Achieving the Green Training Appreciation in Iran's 4th Green Management Award.
8. Achieving the self-declaration certificate of product registration (# 6300047990) from The Institute of Standards and Industrial Research of Iran (ISIRI).
9. Formulation and registration of factory standard (# 39.63.00003) from The Institute of Standards and Industrial Research of Iran (ISIRI).

